BofA Securities, Inc. - Held NMS Stocks and Options Order Routing Public Report

Generated on Wed Dec 20 2023 15:50:07 GMT-0500 (Eastern Standard Time)

3rd Quarter, 2023

July 2023

S&P 500 Stocks

Summary

Non-Directed Orders as % of All Orders	Market Orders as % of Non-Directed Orders	Marketable Limit Orders as % of Non-Directed Orders	Non-Marketable Limit Orders as % of Non-Directed Orders	Other Orders as % of Non-Directed Orders
-	-	-	-	-

Venues

Venue - Non-directed Order Flow	Non-Directed Orders (%)	Market Orders (%)	Marketable Limit Orders (%)	Non-Marketable Limit Orders (%)	Other Orders (%)	Net Payment Paid/Received for Market Orders(USD)	Net Payment Paid/ Received for Market Orders(cents per hundred shares)	Net Payment Paid/ Received for Marketable Limit Orders(USD)	Net Payment Paid/ Received for Marketable Limit Orders(cents per hundred shares)	Net Payment Paid/ Received for Non-Marketable Limit Orders(USD)	Net Payment Paid/ Received for Non-Marketable Limit Orders(cents per hundred shares)	Net Payment Paid/Received for Other Orders(USD)	Net Payment Paid/ Received for Other Orders(cents per hundred shares)

July 2023

Non-S&P 500 Stocks

Summary

Non-Directed Orders as % of All Orders	Market Orders as % of Non-Directed Orders	Marketable Limit Orders as % of Non-Directed Orders	Non-Marketable Limit Orders as % of Non-Directed Orders	Other Orders as % of Non-Directed Orders
-	-	-	-	-

Venues

Venue - Non-directed Order Flow	Non-Directed Orders (%)	Market Orders (%)	Marketable Limit Orders (%)	Non-Marketable Limit Orders (%)	Other Orders (%)	Net Payment Paid/Received for Market Orders(USD)	Net Payment Paid/ Received for Market Orders(cents per hundred shares)	Net Payment Paid/ Received for Marketable Limit Orders(USD)	Net Payment Paid/ Received for Marketable Limit Orders(cents per hundred shares)	Net Payment Paid/ Received for Non-Marketable Limit Orders(USD)	Net Payment Paid/ Received for Non-Marketable Limit Orders(cents per hundred shares)	Net Payment Paid/Received for Other Orders(USD)	Net Payment Paid/ Received for Other Orders(cents per hundred shares)

July 2023

Options

Summary

Non-Directed Orders as % of All Orders	Market Orders as % of Non-Directed Orders	Marketable Limit Orders as % of Non-Directed Orders	Non-Marketable Limit Orders as % of Non-Directed Orders	Other Orders as % of Non-Directed Orders
74.25	0.01	1.02	77.96	21.00

Venues

Venue - Non-directed Order Flow	Non-Directed Orders (%)	Market Orders (%)	Marketable Limit Orders (%)	Non-Marketable Limit Orders (%)	Other Orders (%)	Net Payment Paid/Received for Market Orders(USD)	Net Payment Paid/ Received for Market Orders(cents per hundred shares)	Net Payment Paid/ Received for Marketable Limit Orders(USD)	Net Payment Paid/ Received for Marketable Limit Orders(cents per hundred shares)	Net Payment Paid/ Received for Non-Marketable Limit Orders(USD)	Net Payment Paid/ Received for Non-Marketable Limit Orders(cents per hundred shares)	Net Payment Paid/Received for Other Orders(USD)	Net Payment Paid/ Received for Other Orders(cents per hundred shares)
The NASDAQ Options Market LLC	56.89	0.00	6.59	72.88	0.00	0.00	0.0000	-33,901.41	-50.9267	84,017.31	49.5514	0.00	0.0000
Cboe Exchange, Inc.	8.76	0.00	11.15	3.24	29.14	0.00	0.0000	-13,084.96	-10.5276	-16,070.88	-19.4997	-32,730.43	-54.3641
Nasdaq PHLX LLC	8.52	0.00	6.42	2.43	31.23	0.00	0.0000	1,321.14	2.2471	-1,553.50	-24.1790	-13,461.67	-36.2233
Wolverine Execution Services, LLC	8.01	8.21	19.29	10.02	0.02	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
BOX Exchange LLC	6.19	0.00	6.50	0.96	25.58	0.00	0.0000	3,865.25	8.2785	-193.85	-12.2072	-287.68	-5.8412
Cboe C2 Exchange, Inc.	3.25	0.00	2.85	0.44	13.68	0.00	0.0000	-37,273.88	-46.4009	3,853.21	36.3922	-521.13	-6.2039
MIAX Emerald, LLC	3.05	0.00	1.67	3.89	0.00	0.00	0.0000	-22,428.99	-53.0725	2,722.82	34.0395	0.00	0.0000
Nasdaq BX, Inc.	1.58	0.00	15.30	1.83	0.00	0.00	0.0000	-90,354.28	-52.9062	-507.45	-24.7295	0.00	0.0000
Cboe BZX Exchange, Inc.	1.27	0.00	4.85	1.56	0.00	0.00	0.0000	-31,901.02	-54.0219	1,666.94	12.6226	0.00	0.0000
NYSE ARCA OPTIONS	0.79	0.00	5.25	0.95	0.00	0.00	0.0000	-23,862.33	-47.3149	60,247.19	46.7485	-1,251.00	-29.3869

Material Aspects:

The NASDAQ Options Market LLC:
When routing orders to this market center for execution, including client orders, BofA Securities, Inc. ("BofAS") pays fees or receives credits in accordance with this market center's published fee schedule, and may receive incremental pricing benefits if certain volume thresholds are met in accordance with such published fee schedule. In some cases, the credits offered by this market center to BofAS over a period of time may exceed the charges assessed. BofAS qualified for various tier pricing benefits during this quarter. In July, August and September, BofAS qualified for an additional $0.30 customer posting rebate in Penny Interval Program symbols and an additional $0.20 customer posting rebate in non-Penny Interval Program symbols. For additional information regarding the pricing tiers offered by this market center, please refer the current fee schedule available at: https://listingcenter.nasdaq.com/rulebook/nasdaq/rules. Information reflecting The Nasdaq Options Market's fee schedule for Q3 2023, as applicable to BofAS, can be found in the enclosed BofAS Tiered Rate Card 2023Q3 that accompanies this report.

Cboe Exchange, Inc.:
When routing orders to this market center for execution, including client orders, BofA Securities, Inc. ("BofAS") pays fees or receives credits in accordance with this market center's published fee schedule, and may receive incremental pricing benefits if certain volume thresholds are met in accordance with such published fee schedule. In some cases, the credits offered by this market center to BofAS over a period of time may exceed the charges assessed. In addition, BofAS participates in, and may receive a marketing fee credit under this exchange's SEC approved and administered Marketing Fee Program. BofAS did not qualify for any preferred tier pricing during this quarter. For additional information regarding the pricing tiers offered by this market center, please refer the current fee schedule at: https://www.cboe.com/us/options/membership/fee_schedule/cone/. Information reflecting Cboe Exchange's fee schedule for Q3 2023, as applicable to BofAS, can be found in the enclosed BofAS Tiered Rate Card 2023Q3 that accompanies this report

Nasdaq PHLX LLC:

When routing orders to this market center for execution, including client orders, BofA Securities, Inc. ("BofAS") pays fees or receives credits in accordance with this market center's published fee schedule, and may receive incremental pricing benefits if certain volume thresholds are met in accordance with such published fee schedule. In some cases, the credits offered by this market center to BofAS over a period of time may exceed the charges assessed. In addition, BofAS participates in, and may receive a marketing fee credit under this exchange's approved and administered Marketing Fee Program. BofAS did not qualify for any preferred tier pricing during this quarter. For additional information regarding the pricing tiers offered by this market center, please refer the current fee schedule available at: https://listingcenter.nasdaq.com/rulebook/phlx/rules. Information reflecting Nasdaq PHLX's fee schedule for Q3 2023, as applicable to BofAS, can be found in the enclosed BofAS Tiered Rate Card 2023Q3 that accompanies this report.

Wolverine Execution Services, LLC:
BofA Securities, Inc. ("BofAS") did not receive any payment for order flow or any profit-sharing payment from Wolverine Execution Services, LLC during the calendar quarter.

BOX Exchange LLC:
When routing orders to this market center for execution, including client orders, BofA Securities, Inc. ("BofAS") pays fees or receives credits in accordance with this market center's published fee schedule, and may receive incremental pricing benefits if certain volume thresholds are met in accordance with such published fee schedule. In some cases, the credits offered by this market center to BofAS over a period of time may exceed the charges assessed. BofAS did not qualify for any preferred tier pricing during this quarter. For additional information regarding the pricing tiers offered by this market center, please refer the current fee schedule available at: https://boxoptions.com/fee-schedule/. Information reflecting BOX Exchange's fee schedule for Q3 2023, as applicable to BofAS, can be found in the enclosed BofAS Tiered Rate Card 2023Q3 that accompanies this report.

Cboe C2 Exchange, Inc.:
When routing orders to this market center for execution, including client orders, BofA Securities, Inc. ("BofAS") pays fees or receives credits in accordance with this market center's published fee schedule, and may receive incremental pricing benefits if certain volume thresholds are met in accordance with such published fee schedule. In some cases, the credits offered by this market center to BofAS over a period of time may exceed the charges assessed. BofAS did not qualify for any preferred tier pricing during this quarter. For additional information regarding the pricing tiers offered by this market center, please refer the current fee schedule at: https://www.cboe.com/us/options/membership/fee_schedule/ctwo/. Information reflecting Cboe C2 Exchange's fee schedule for Q3 2023, as applicable to BofAS, can be found in the enclosed BofAS Tiered Rate Card 2023Q3 that accompanies this report.

MIAX Emerald, LLC:
When routing orders to this market center for execution, including client orders, BofA Securities, Inc. ("BofAS") pays fees or receives credits in accordance with this market center's published fee schedule, and may receive incremental pricing benefits if certain volume thresholds are met in accordance with such published fee schedule. In some cases, the credits offered by this market center to BofAS over a period of time may exceed the charges assessed. BofAS did not qualify for any preferred tier pricing during this quarter. For additional information regarding the pricing tiers offered by this market center, please refer the current fee schedule available at: https://www.miaxglobal.com/markets/us-options/emerald-options/fees. Information reflecting MIAX Emerald's fee schedule for Q3 2023, as applicable to BofAS, can be found in the enclosed BofAS Tiered Rate Card 2023Q3 that accompanies this report.

Nasdaq BX, Inc.:
When routing orders to this market center for execution, including client orders, BofA Securities, Inc. ("BofAS") pays fees or receives credits in accordance with this market center's published fee schedule, and may receive incremental pricing benefits if certain volume thresholds are met in accordance with such published fee schedule. In some cases, the credits offered by this market center to BofAS over a period of time may exceed the charges assessed. BofAS did not qualify for any preferred tier pricing during this quarter. For additional information regarding the pricing tiers offered by this market center, please refer the current fee schedule available at: https://listingcenter.nasdaq.com/rulebook/bx/rules/BX%20Options%207. Information reflecting Nasdaq BX Options' fee schedule for Q3 2023, as applicable to BofAS, can be found in the enclosed BofAS Tiered Rate Card 2023Q3 that accompanies this report.

Cboe BZX Exchange, Inc.:
When routing orders to this market center for execution, including client orders, BofA Securities, Inc. ("BofAS") pays fees or receives credits in accordance with this market center's published fee schedule, and may receive incremental pricing benefits if certain volume thresholds are met in accordance with such published fee schedule. In some cases, the credits offered by this market center to BofAS over a period of time may exceed the charges assessed. BofAS did not qualify for any preferred tier pricing during this quarter. For additional information regarding the pricing tiers offered by this market center, please refer the current fee schedule at: https://www.cboe.com/us/options/membership/fee_schedule/bzx/. Information reflecting CBOE BZX Exchange's fee schedule for Q3 2023, as applicable to BofAS, can be found in the enclosed BofAS Tiered Rate Card 2023Q3 that accompanies this report.

NYSE ARCA OPTIONS:
When routing orders to this market center for execution, including client orders, BofA Securities, Inc. ("BofAS") pays fees or receives credits in accordance with this market center's published fee schedule, and may receive incremental pricing benefits if certain volume thresholds are met in accordance with such published fee schedule. In some cases, the credits offered by this market center to BofAS over a period of time may exceed the charges assessed. BofAS qualified for various tier pricing during this quarter. In July, BofAS qualified for an additional $0.18 customer posting rebate in Penny Interval Program symbols. In August and September, BofAS qualified for an additional $0.11 customer posting rebate in Penny Interval Program symbols. For additional information regarding the pricing tiers offered by this market center, please refer the current fee schedule at: https://www.nyse.com/publicdocs/nyse/markets/arca-options/NYSE_Arca_Options_Fee_Schedule.pdf. Information reflecting NYSE Arca's(Options) fee schedule for Q3 2023, as applicable to BofAS, can be found in the enclosed BofAS Tiered Rate Card 2023Q3 that accompanies this report.

August 2023

S&P 500 Stocks

Summary

Non-Directed Orders as % of All Orders	Market Orders as % of Non-Directed Orders	Marketable Limit Orders as % of Non-Directed Orders	Non-Marketable Limit Orders as % of Non-Directed Orders	Other Orders as % of Non-Directed Orders
-	-	-	-	-

Venues

Venue - Non-directed Order Flow	Non-Directed Orders (%)	Market Orders (%)	Marketable Limit Orders (%)	Non-Marketable Limit Orders (%)	Other Orders (%)	Net Payment Paid/Received for Market Orders(USD)	Net Payment Paid/ Received for Market Orders(cents per hundred shares)	Net Payment Paid/ Received for Marketable Limit Orders(USD)	Net Payment Paid/ Received for Marketable Limit Orders(cents per hundred shares)	Net Payment Paid/ Received for Non-Marketable Limit Orders(USD)	Net Payment Paid/ Received for Non-Marketable Limit Orders(cents per hundred shares)	Net Payment Paid/Received for Other Orders(USD)	Net Payment Paid/ Received for Other Orders(cents per hundred shares)

August 2023

Non-S&P 500 Stocks

Summary

Non-Directed Orders as % of All Orders	Market Orders as % of Non-Directed Orders	Marketable Limit Orders as % of Non-Directed Orders	Non-Marketable Limit Orders as % of Non-Directed Orders	Other Orders as % of Non-Directed Orders
-	-	-	-	-

Venues

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August 2023

Options

Summary

Non-Directed Orders as % of All Orders	Market Orders as % of Non-Directed Orders	Marketable Limit Orders as % of Non-Directed Orders	Non-Marketable Limit Orders as % of Non-Directed Orders	Other Orders as % of Non-Directed Orders
78.78	0.01	0.87	85.04	14.09

Venues

Venue - Non-directed Order Flow	Non-Directed Orders (%)	Market Orders (%)	Marketable Limit Orders (%)	Non-Marketable Limit Orders (%)	Other Orders (%)	Net Payment Paid/Received for Market Orders(USD)	Net Payment Paid/ Received for Market Orders(cents per hundred shares)	Net Payment Paid/ Received for Marketable Limit Orders(USD)	Net Payment Paid/ Received for Marketable Limit Orders(cents per hundred shares)	Net Payment Paid/ Received for Non-Marketable Limit Orders(USD)	Net Payment Paid/ Received for Non-Marketable Limit Orders(cents per hundred shares)	Net Payment Paid/Received for Other Orders(USD)	Net Payment Paid/ Received for Other Orders(cents per hundred shares)
The NASDAQ Options Market LLC	65.14	0.00	6.87	76.54	0.00	0.00	0.0000	-36,125.10	-50.5409	108,337.40	52.4332	0.00	0.0000
Cboe Exchange, Inc.	7.86	0.00	12.06	4.16	29.93	0.00	0.0000	-10,133.83	-9.0306	-15,192.76	-21.8064	-41,415.87	-60.7690
Wolverine Execution Services, LLC	4.81	18.11	16.54	5.48	0.02	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000

Venue - Non-directed Order Flow	Non-Directed Orders (%)	Market Orders (%)	Marketable Limit Orders (%)	Non-Marketable Limit Orders (%)	Other Orders (%)	Net Payment Paid/Received for Market Orders(USD)	Net Payment Paid/ Received for Market Orders(cents per hundred shares)	Net Payment Paid/ Received for Marketable Limit Orders(USD)	Net Payment Paid/ Received for Marketable Limit Orders(cents per hundred shares)	Net Payment Paid/ Received for Non-Marketable Limit Orders(USD)	Net Payment Paid/ Received for Non-Marketable Limit Orders(cents per hundred shares)	Net Payment Paid/Received for Other Orders(USD)	Net Payment Paid/ Received for Other Orders(cents per hundred shares)
Nasdaq PHLX LLC	4.35	0.00	6.16	0.44	27.84	0.00	0.0000	-1,910.03	-3.4074	-2,527.44	-34.1177	-20,365.51	-41.8011
BOX Exchange LLC	4.00	0.00	6.54	0.11	27.28	0.00	0.0000	3,374.50	8.0128	-531.40	-41.4509	-748.82	-11.1068
Cboe C2 Exchange, Inc.	3.92	0.00	3.17	2.38	13.27	0.00	0.0000	-55,118.34	-45.5354	6,308.40	34.7609	-207.36	-3.4100
Cboe BZX Exchange, Inc.	3.84	0.00	4.58	4.47	0.00	0.00	0.0000	-29,720.18	-53.6175	3,611.11	18.8866	0.00	0.0000
NYSE ARCA OPTIONS	3.02	0.00	4.73	3.50	0.00	0.00	0.0000	-24,696.29	-47.1096	49,772.48	43.0267	-347.84	-29.1323
Nasdaq MRX, LLC	1.37	0.00	1.39	1.59	0.00	0.00	0.0000	-7,380.80	-38.7667	-2,148.12	-54.5624	0.00	0.0000
Nasdaq ISE, LLC	0.41	0.00	1.27	0.20	1.63	0.00	0.0000	-11,351.48	-53.4615	8,602.13	69.9303	-14,182.62	-26.0533

Material Aspects:

The NASDAQ Options Market LLC:
When routing orders to this market center for execution, including client orders, BofA Securities, Inc. ("BofAS") pays fees or receives credits in accordance with this market center's published fee schedule, and may receive incremental pricing benefits if certain volume thresholds are met in accordance with such published fee schedule. In some cases, the credits offered by this market center to BofAS over a period of time may exceed the charges assessed. BofAS qualified for various tier pricing benefits during this quarter. In July, August and September, BofAS qualified for an additional $0.30 customer posting rebate in Penny Interval Program symbols and an additional $0.20 customer posting rebate in non-Penny Interval Program symbols. For additional information regarding the pricing tiers offered by this market center, please refer the current fee schedule available at: https://listingcenter.nasdaq.com/rulebook/nasdaq/rules. Information reflecting The Nasdaq Options Market's fee schedule for Q3 2023, as applicable to BofAS, can be found in the enclosed BofAS Tiered Rate Card 2023Q3 that accompanies this report.

Cboe Exchange, Inc.:
When routing orders to this market center for execution, including client orders, BofA Securities, Inc. ("BofAS") pays fees or receives credits in accordance with this market center's published fee schedule, and may receive incremental pricing benefits if certain volume thresholds are met in accordance with such published fee schedule. In some cases, the credits offered by this market center to BofAS over a period of time may exceed the charges assessed. In addition, BofAS participates in, and may receive a marketing fee credit under this exchange's SEC approved and administered Marketing Fee Program. BofAS did not qualify for any preferred tier pricing during this quarter. For additional information regarding the pricing tiers offered by this market center, please refer the current fee schedule at: https://www.cboe.com/us/options/membership/fee_schedule/cone/. Information reflecting Cboe Exchange's fee schedule for Q3 2023, as applicable to BofAS, can be found in the enclosed BofAS Tiered Rate Card 2023Q3 that accompanies this report

Wolverine Execution Services, LLC:
BofA Securities, Inc. ("BofAS") did not receive any payment for order flow or any profit-sharing payment from Wolverine Execution Services, LLC during the calendar quarter.

Nasdaq PHLX LLC:
When routing orders to this market center for execution, including client orders, BofA Securities, Inc. ("BofAS") pays fees or receives credits in accordance with this market center's published fee schedule, and may receive incremental pricing benefits if certain volume thresholds are met in accordance with such published fee schedule. In some cases, the credits offered by this market center to BofAS over a period of time may exceed the charges assessed. In addition, BofAS participates in, and may receive a marketing fee credit under this exchange's approved and administered Marketing Fee Program. BofAS did not qualify for any preferred tier pricing during this quarter. For additional information regarding the pricing tiers offered by this market center, please refer the current fee schedule available at: https://listingcenter.nasdaq.com/rulebook/phlx/rules. Information reflecting Nasdaq PHLX's fee schedule for Q3 2023, as applicable to BofAS, can be found in the enclosed BofAS Tiered Rate Card 2023Q3 that accompanies this report.

BOX Exchange LLC:
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Cboe C2 Exchange, Inc.:
When routing orders to this market center for execution, including client orders, BofA Securities, Inc. ("BofAS") pays fees or receives credits in accordance with this market center's published fee schedule, and may receive incremental pricing benefits if certain volume thresholds are met in accordance with such published fee schedule. In some cases, the credits offered by this market center to BofAS over a period of time may exceed the charges assessed. BofAS did not qualify for any preferred tier pricing during this quarter. For additional information regarding the pricing tiers offered by this market center, please refer the current fee schedule at: https://www.cboe.com/us/options/membership/fee_schedule/ctwo/. Information reflecting Cboe C2 Exchange's fee schedule for Q3 2023, as applicable to BofAS, can be found in the enclosed BofAS Tiered Rate Card 2023Q3 that accompanies this report.

Cboe BZX Exchange, Inc.:
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NYSE ARCA OPTIONS:

When routing orders to this market center for execution, including client orders, BofA Securities, Inc. ("BofAS") pays fees or receives credits in accordance with this market center's published fee schedule, and may receive incremental pricing benefits if certain volume thresholds are met in accordance with such published fee schedule. In some cases, the credits offered by this market center to BofAS over a period of time may exceed the charges assessed. BofAS qualified for various tier pricing during this quarter. In July, BofAS qualified for an additional $0.18 customer posting rebate in Penny Interval Program symbols. In August and September, BofAS qualified for an additional $0.11 customer posting rebate in Penny Interval Program symbols. For additional information regarding the pricing tiers offered by this market center, please refer the current fee schedule at: https://www.nyse.com/publicdocs/nyse/markets/arca-options/NYSE_Arca_Options_Fee_Schedule.pdf. Information reflecting NYSE Arca's(Options) fee schedule for Q3 2023, as applicable to BofAS, can be found in the enclosed BofAS Tiered Rate Card 2023Q3 that accompanies this report.

Nasdaq MRX, LLC:
When routing orders to this market center for execution, including client orders, BofA Securities, Inc. ("BofAS") pays fees or receives credits in accordance with this market center's published fee schedule, and may receive incremental pricing benefits if certain volume thresholds are met in accordance with such published fee schedule. In some cases, the credits offered by this market center to BofAS over a period of time may exceed the charges assessed. BofAS did not qualify for any preferred tier pricing during this quarter. For additional information regarding the pricing tiers offered by this market center, please refer the current fee schedule available at: https://listingcenter.nasdaq.com/rulebook/mrx/rules. Information reflecting Nasdaq MRX's fee schedule for Q3 2023, as applicable to BofAS, can be found in the enclosed BofAS Tiered Rate Card 2023Q3 that accompanies this report.

Nasdaq ISE, LLC:
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September 2023

S&P 500 Stocks

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-	-	-	-	-

Venues

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September 2023

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-	-	-	-	-

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September 2023

Options

Summary

Non-Directed Orders as % of All Orders	Market Orders as % of Non-Directed Orders	Marketable Limit Orders as % of Non-Directed Orders	Non-Marketable Limit Orders as % of Non-Directed Orders	Other Orders as % of Non-Directed Orders
78.64	0.03	1.01	82.87	16.09

Venues

Venue - Non-directed Order Flow	Non-Directed Orders (%)	Market Orders (%)	Marketable Limit Orders (%)	Non-Marketable Limit Orders (%)	Other Orders (%)	Net Payment Paid/Received for Market Orders(USD)	Net Payment Paid/ Received for Market Orders(cents per hundred shares)	Net Payment Paid/ Received for Marketable Limit Orders(USD)	Net Payment Paid/ Received for Marketable Limit Orders(cents per hundred shares)	Net Payment Paid/ Received for Non-Marketable Limit Orders(USD)	Net Payment Paid/ Received for Non-Marketable Limit Orders(cents per hundred shares)	Net Payment Paid/Received for Other Orders(USD)	Net Payment Paid/ Received for Other Orders(cents per hundred shares)
The NASDAQ Options Market LLC	62.50	0.00	6.20	75.35	0.00	0.00	0.0000	-30,465.07	-52.0895	87,864.64	51.0767	0.00	0.0000
Cboe Exchange, Inc.	9.91	0.00	11.89	4.14	39.51	0.00	0.0000	-14,800.91	-14.4769	-24,319.05	-37.6899	-62,953.06	-65.6986
Nasdaq PHLX LLC	5.96	0.00	5.74	2.16	25.54	0.00	0.0000	-4,050.82	-8.8966	-3,589.75	-22.7185	-17,925.03	-43.8844
Wolverine Execution Services, LLC	4.46	68.69	17.24	5.14	0.07	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
BOX Exchange LLC	3.81	0.00	6.44	0.63	20.01	0.00	0.0000	106.85	0.2481	-231.85	-14.0091	-340.75	-8.4574
Nasdaq BX, Inc.	2.48	0.00	16.29	2.79	0.00	0.00	0.0000	-117,002.67	-52.0107	-254.06	-5.1346	0.00	0.0000
Cboe C2 Exchange, Inc.	2.39	0.00	3.29	0.43	12.43	0.00	0.0000	-46,832.95	-46.2525	3,839.19	37.5104	-750.15	-17.0527
Cboe BZX Exchange, Inc.	2.23	0.00	5.31	2.63	0.00	0.00	0.0000	-27,557.43	-53.2439	2,422.95	18.9175	0.00	0.0000
Cboe EDGX Exchange, Inc.	1.46	0.00	4.92	1.65	0.24	0.00	0.0000	-763.59	-1.8294	-1,038.81	-40.8659	-247.80	-24.8795
Nasdaq GEMX, LLC	1.29	0.00	2.12	1.53	0.00	0.00	0.0000	-15,434.53	-50.4330	148.40	7.6142	0.00	0.0000

Material Aspects:

The NASDAQ Options Market LLC:

When routing orders to this market center for execution, including client orders, BofA Securities, Inc. ("BofAS") pays fees or receives credits in accordance with this market center's published fee schedule, and may receive incremental pricing benefits if certain volume thresholds are met in accordance with such published fee schedule. In some cases, the credits offered by this market center to BofAS over a period of time may exceed the charges assessed. BofAS qualified for various tier pricing benefits during this quarter. In July, August and September, BofAS qualified for an additional $0.30 customer posting rebate in Penny Interval Program symbols and an additional $0.20 customer posting rebate in non-Penny Interval Program symbols. For additional information regarding the pricing tiers offered by this market center, please refer the current fee schedule available at: https://listingcenter.nasdaq.com/rulebook/nasdaq/rules. Information reflecting The Nasdaq Options Market's fee schedule for Q3 2023, as applicable to BofAS, can be found in the enclosed BofAS Tiered Rate Card 2023Q3 that accompanies this report.

Cboe Exchange, Inc.:
When routing orders to this market center for execution, including client orders, BofA Securities, Inc. ("BofAS") pays fees or receives credits in accordance with this market center's published fee schedule, and may receive incremental pricing benefits if certain volume thresholds are met in accordance with such published fee schedule. In some cases, the credits offered by this market center to BofAS over a period of time may exceed the charges assessed. In addition, BofAS participates in, and may receive a marketing fee credit under this exchange's SEC approved and administered Marketing Fee Program. BofAS did not qualify for any preferred tier pricing during this quarter. For additional information regarding the pricing tiers offered by this market center, please refer the current fee schedule at: https://www.cboe.com/us/options/membership/fee_schedule/cone/. Information reflecting Cboe Exchange's fee schedule for Q3 2023, as applicable to BofAS, can be found in the enclosed BofAS Tiered Rate Card 2023Q3 that accompanies this report

Nasdaq PHLX LLC:
When routing orders to this market center for execution, including client orders, BofA Securities, Inc. ("BofAS") pays fees or receives credits in accordance with this market center's published fee schedule, and may receive incremental pricing benefits if certain volume thresholds are met in accordance with such published fee schedule. In some cases, the credits offered by this market center to BofAS over a period of time may exceed the charges assessed. In addition, BofAS participates in, and may receive a marketing fee credit under this exchange's approved and administered Marketing Fee Program. BofAS did not qualify for any preferred tier pricing during this quarter. For additional information regarding the pricing tiers offered by this market center, please refer the current fee schedule available at: https://listingcenter.nasdaq.com/rulebook/phlx/rules. Information reflecting Nasdaq PHLX's fee schedule for Q3 2023, as applicable to BofAS, can be found in the enclosed BofAS Tiered Rate Card 2023Q3 that accompanies this report.

Wolverine Execution Services, LLC:
BofA Securities, Inc. ("BofAS") did not receive any payment for order flow or any profit-sharing payment from Wolverine Execution Services, LLC during the calendar quarter.

BOX Exchange LLC:
When routing orders to this market center for execution, including client orders, BofA Securities, Inc. ("BofAS") pays fees or receives credits in accordance with this market center's published fee schedule, and may receive incremental pricing benefits if certain volume thresholds are met in accordance with such published fee schedule. In some cases, the credits offered by this market center to BofAS over a period of time may exceed the charges assessed. BofAS did not qualify for any preferred tier pricing during this quarter. For additional information regarding the pricing tiers offered by this market center, please refer the current fee schedule available at: https://boxoptions.com/fee-schedule/. Information reflecting BOX Exchange's fee schedule for Q3 2023, as applicable to BofAS, can be found in the enclosed BofAS Tiered Rate Card 2023Q3 that accompanies this report.

Nasdaq BX, Inc.:
When routing orders to this market center for execution, including client orders, BofA Securities, Inc. ("BofAS") pays fees or receives credits in accordance with this market center's published fee schedule, and may receive incremental pricing benefits if certain volume thresholds are met in accordance with such published fee schedule. In some cases, the credits offered by this market center to BofAS over a period of time may exceed the charges assessed. BofAS did not qualify for any preferred tier pricing during this quarter. For additional information regarding the pricing tiers offered by this market center, please refer the current fee schedule available at: https://listingcenter.nasdaq.com/rulebook/bx/rules/BX%20Options%207. Information reflecting Nasdaq BX Options' fee schedule for Q3 2023, as applicable to BofAS, can be found in the enclosed BofAS Tiered Rate Card 2023Q3 that accompanies this report.

Cboe C2 Exchange, Inc.:
When routing orders to this market center for execution, including client orders, BofA Securities, Inc. ("BofAS") pays fees or receives credits in accordance with this market center's published fee schedule, and may receive incremental pricing benefits if certain volume thresholds are met in accordance with such published fee schedule. In some cases, the credits offered by this market center to BofAS over a period of time may exceed the charges assessed. BofAS did not qualify for any preferred tier pricing during this quarter. For additional information regarding the pricing tiers offered by this market center, please refer the current fee schedule at: https://www.cboe.com/us/options/membership/fee_schedule/ctwo/. Information reflecting Cboe C2 Exchange's fee schedule for Q3 2023, as applicable to BofAS, can be found in the enclosed BofAS Tiered Rate Card 2023Q3 that accompanies this report.

Cboe BZX Exchange, Inc.:
When routing orders to this market center for execution, including client orders, BofA Securities, Inc. ("BofAS") pays fees or receives credits in accordance with this market center's published fee schedule, and may receive incremental pricing benefits if certain volume thresholds are met in accordance with such published fee schedule. In some cases, the credits offered by this market center to BofAS over a period of time may exceed the charges assessed. BofAS did not qualify for any preferred tier pricing during this quarter. For additional information regarding the pricing tiers offered by this market center, please refer the current fee schedule at: https://www.cboe.com/us/options/membership/fee_schedule/bzx/. Information reflecting CBOE BZX Exchange's fee schedule for Q3 2023, as applicable to BofAS, can be found in the enclosed BofAS Tiered Rate Card 2023Q3 that accompanies this report.

Cboe EDGX Exchange, Inc.:
When routing orders to this market center for execution, including client orders, BofA Securities, Inc. ("BofAS") pays fees or receives credits in accordance with this market center's published fee schedule, and may receive incremental pricing benefits if certain volume thresholds are met in accordance with such published fee schedule. In some cases, the credits offered by this market center to BofAS over a period of time may exceed the charges assessed. In addition, BofAS participates in, and may receive a marketing fee credit under this exchange's approved and administered Marketing Fee Program. BofAS did not qualify for any preferred tier pricing during this quarter. For additional information regarding the pricing tiers offered by this market center, please refer the current fee schedule at: https://www.cboe.com/us/options/membership/fee_schedule/edgx/. Information reflecting Cboe EDGX Exchange's fee schedule for Q3 2023, as applicable to BofAS, can be found in the enclosed BofAS Tiered Rate Card 2023Q3 that accompanies this report

Nasdaq GEMX, LLC:
When routing orders to this market center for execution, including client orders, BofA Securities, Inc. ("BofAS") pays fees or receives credits in accordance with this market center's published fee schedule, and may receive incremental pricing benefits if certain volume thresholds are met in accordance with such published fee schedule. In some cases, the credits offered by this market center to BofAS over a period of time may exceed the charges assessed. BofAS did not qualify for any preferred tier pricing during this quarter. For additional information regarding the pricing tiers offered by this market center, please refer the current fee schedule available at: https://listingcenter.nasdaq.com/rulebook/gemx/rules/GEMX%20Options%207. Information reflecting Nasdaq GEMX Exchange's fee schedule for Q3 2023, as applicable to BofAS, can be found in the enclosed BofAS Tiered Rate Card 2023Q3 that accompanies this report.